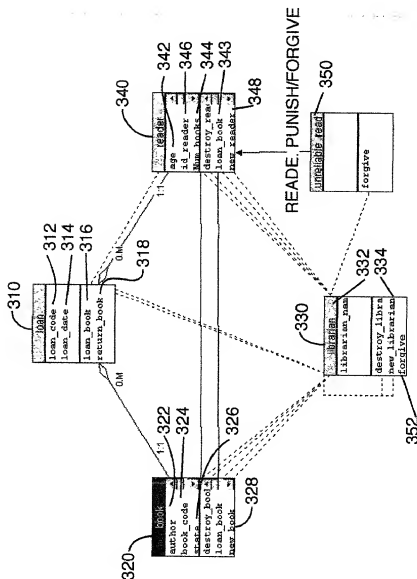


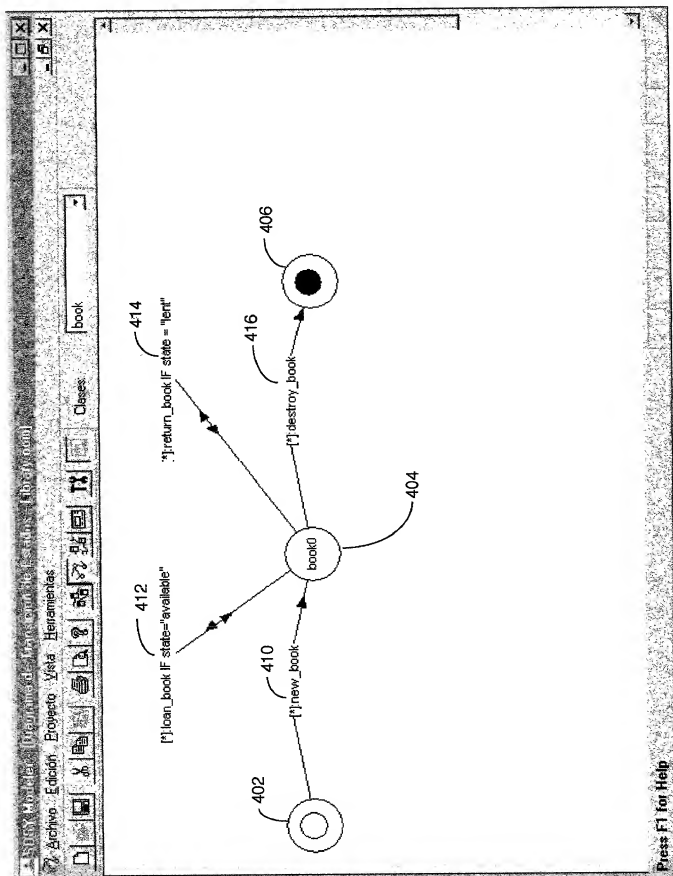
FIG. 2

FIG. 3



300

FIG.
4A



101007*2802/860

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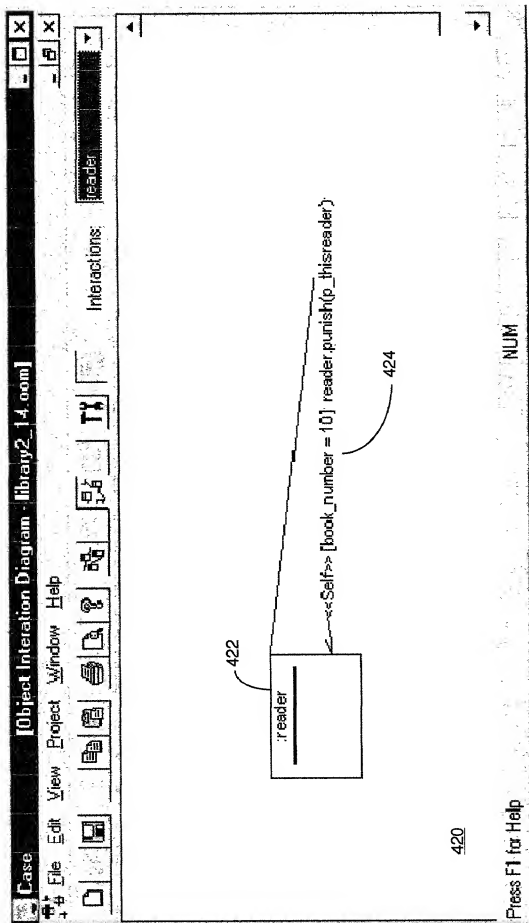


FIG. 4B

101001-28022860

Functional Model

Class: reader

Attribute: book_number

OK

Cancel

Event	Effect	Condition
loan_book	+	
return_book	-	

Add

Modify

Delete

☒ Push-pop
 ☒ State-independent
 ☐ Discrete-domain

Valuation Details

Event: loan_book

Action type: Increment

Valuation condition

IF

Effect of the event

1

FIG. 5

FLOWCHART OF THE FUNCTIONS THAT ALL SPECIES OF SYSTEM LOGIC TRANSLATORS WILL PERFORM

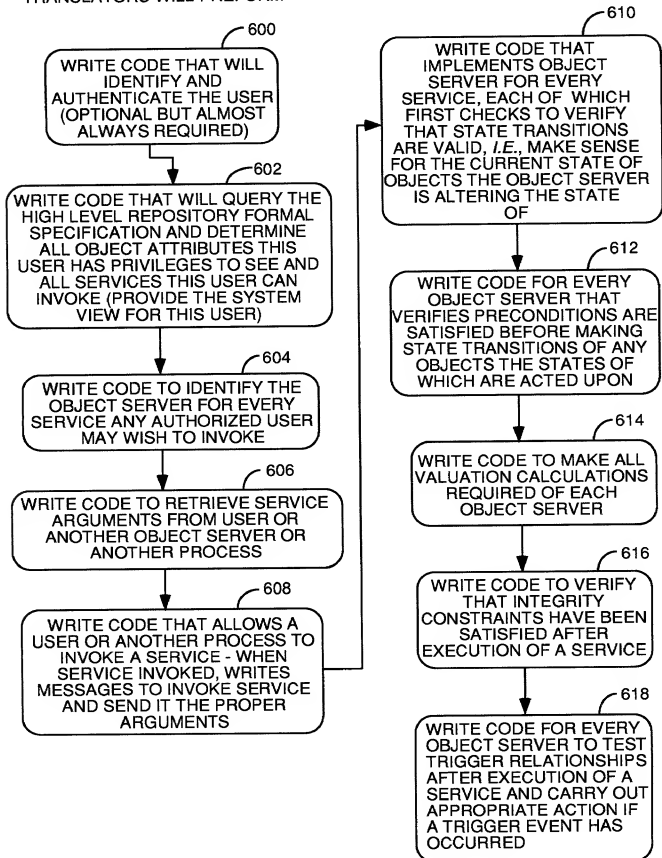


FIG. 6

FLOWCHART OF THE FUNCTIONS THAT ALL SPECIES IN THE USER INTERFACE
 TRANSLATOR SUBGENUS WILL PERFORM

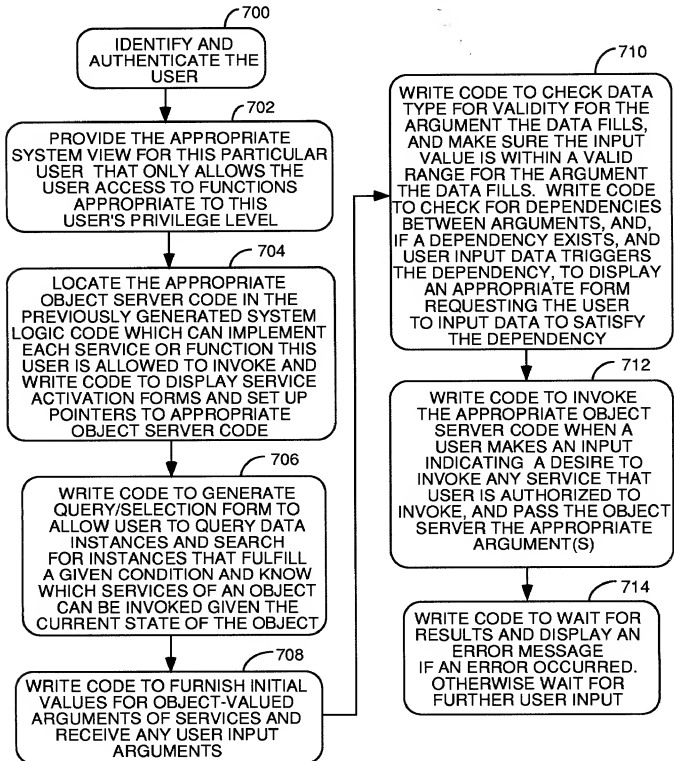


FIG. 7

FLOWCHART OF THE FUNCTIONS THAT ALL SPECIES IN THE DATABASE
GENERATOR TRANSLATOR SUBGENUS WILL PERFORM

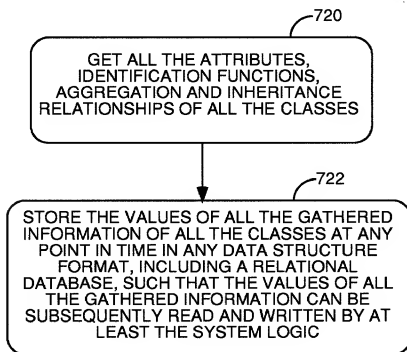


FIG. 8

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Nombre:

Alcance: ☒ Dirección extendida ☐ Guardar información temporal

Empleado

Alcance:

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CLASS CREATION
DIALOG

FIG. 9A

ALL CLASSES
 NEEDED AND
 CREATED IN
 EXPENSE
 MANAGEMENT
 SYSTEM

FIG. 9B

09872087.100101

SOSY Modeler - [Esquema General] [Ver] [Cerrar] [Ayuda]

Archivo Edición Vista Proyecto Herramientas Ventana Ayuda

Project Expense Currency ExpenseType

SuperAdmin

PaymentType

Employee

Expense

Responsible Operator AccountUser

ExpenseLine

NUM Her

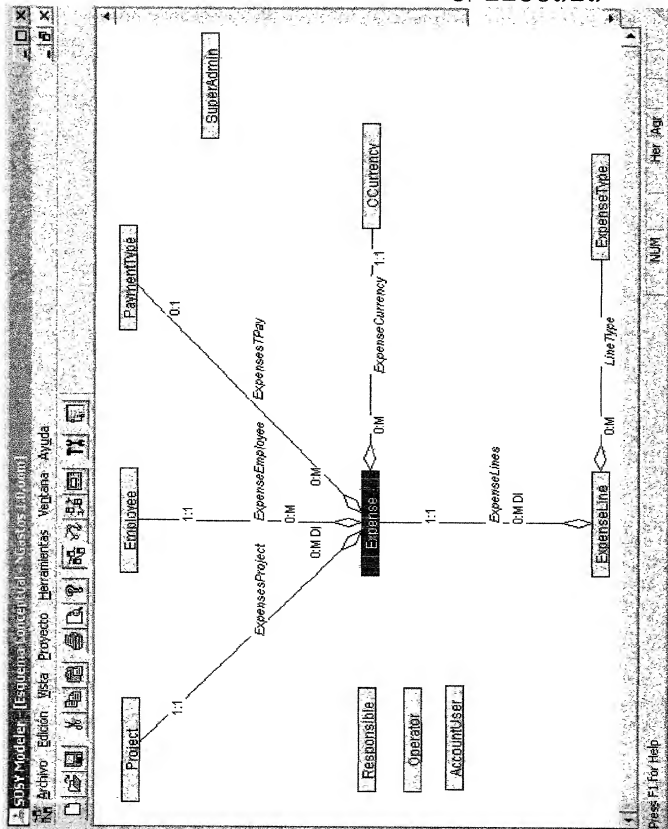
Press F1 for Help.



FIG. 9C

107001' 26022860

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GRAPHIC DIALOG
TO CREATE
RELATIONSHIPS
BETWEEN
CLASSES AND
GRAPHICALLY
SHOW THE
RELATIONSHIPS
SO CREATED

FIG. 10

FIG. 11A

Expense

FIG. 11B

FIG. 12

[illegible]

DIALOG TO DEFINE FORMULA FOR "DELETEALL" TRANSACTION

FIG. 13

INTEGRITY CONSTRAINTS OF EXPENSE CLASS

FIG. 14

Modelo Funcional

Clase: Atributo:

Evento modificar	Efecto = p. Cause	Condición

Detalles de Evaluación

☐ Cardinal ☒ De Estado ☐ De Situación

Evento:

Condición de evaluación:

IF:

Efecto del evento:

p. Cause:

DIALOG BOX TO CREATE
EVALUATION OF "CAUSE"
ATTRIBUTE WITH THE "MODIFY"
EVENT TO FORM PART OF
FUNCTIONAL MODEL

FIG. 15

Class: AccountUser

Class servidora: Expense

Servicios:

Servicio	Temporalidad
Expense approve	No
Expense reelpayment	No
Expense TPAY	No

Atributos:

Atributos
Expense id
Expense PresentDate
Expense Status
Expense PaymentDate
Expense PayComments
Expense AuthoDate
Expense TotExpensesCur
Expense Advances

Hacer temporal **No hacer temporal**

Class AccountUser tiene visibilidad sobre:

Atributos:

Atributos
Cause
AuthoComments

Class: AccountUser

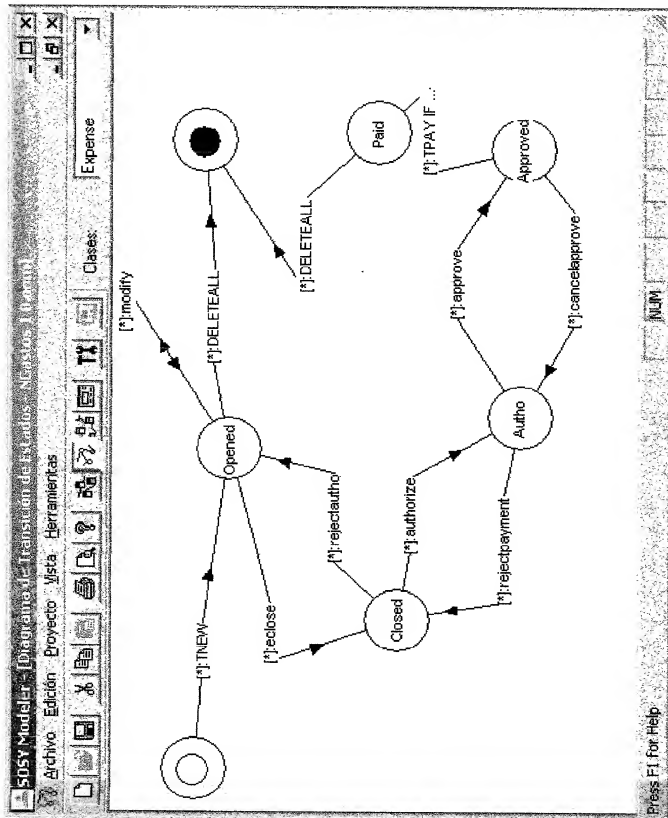
Acceptar **Cancelar**

AGENT RELATIONSHIP
 DIALOG THAT CAN BE
 USED TO SET WHICH
 SERVICES "ACCOUNT
 USER" CAN ACCESS
 AND VISIBILITY OF
 CLASS ATTRIBUTES
 FOR THIS USER

FIG. 16

STATE TRANSITION
 DIAGRAM FOR
 CLASS "EXPENSE"

FIG. 17



DIALOG BOX TO
MODEL
PRECONDITION

FIG. 18

Transición

Origen: Destino:

Detalles

Agentes:

Servicio:

Precondición:
Balance > 0 OR ps_ReturnAdvance = TRUE

Condición de control:

Mensaje en caso de Error:
Check the advanced money excess

101001' 28022860

AUTOMATIC SOFTWARE PASTOR SYSTEM
INVENTOR: IBORRA AND PASTOR
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DOCKET NO. CHG-001.2P

Conjunto de Visualización

Nombre: CV_Expense Tipo dato: Borrar Limpiar

Clase: Expense

Atributos a visualizar:

Atributo	Tipo dato
Project.ProjectName	String
Employee.EmpName	String
Employee.EmpSur...	String
Status	Int
AuthoDate	Date
PaymentDate	Date
TotExpenses	Real
Balance	Real

<< Añadir Eliminar >>

Subir Bajar Agregar

Atributos:

Atributo	Tipo dato
Cause	String
AuthoDate	Date
AuthoComments	String
PaymentDate	Date
PayComments	String
TotExpenses	Real
TotExpensesCur	Real
Advances	Real
AdvancesCur	Real
Exchange	Real
Balance	Real
BalanceCur	Real

Aceptar Cancelar

DIALOG BOX USED BY
SOSY MODELER
TO ESTABLISH A SET OF
ATTRIBUTES
TO BE DISPLAYED FOR
THE "EXPENSE" CLASS

FIG. 19

DIALOG BOX USED BY
SOSY MODELER
TO ESTABLISH THE
SEARCHING CRITERIA
FOR THE EXPENSE
CLASS AND TO ESTABLISH
THE FILTER FORMULA
TO USE AND THE
VARIABLES TO REQUEST
THE USER TO ENTER

FIG. 20

FLOWCHART OF THE FUNCTIONS THAT ALL SPECIES IN THE
DOCUMENTATION GENERATOR TRANSLATOR SUBGENUS WILL PERFORM

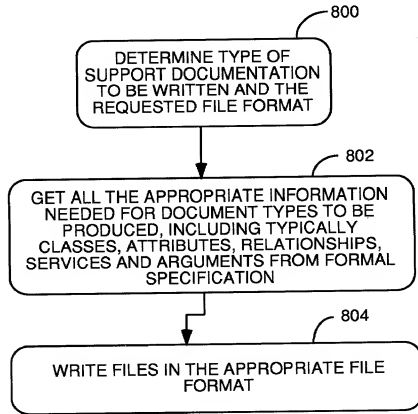


FIG. 21

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